

Claims

1. Auxiliary transmission (31) with a controllable clutch (2) for the optional distribution of a drive output torque to one or more drive output shafts (5, 6) and with an electric motor (8) for controlling the clutch (2), characterized in that the electric motor (8) is arranged in a coupling zone (18) of the auxiliary transmission (31) to a main transmission unit (17).

2. Auxiliary transmission according to claim 1, characterized in that the electric motor (8) is arranged in such manner that it projects beyond an area of the main transmission unit (17) which faces the auxiliary transmission (1).

3. Auxiliary transmission according to claims 1 or 2, characterized in that the electric motor (8) is arranged outside a housing (19) of the main transmission unit (17) and is connected to a housing of the auxiliary transmission (1) and/or to the housing (19) of the main transmission unit (17).

4. Auxiliary transmission according to any of claims 1 to 3, characterized in that a damper element is arranged between the electric motor (8) and the housing (19) of the main transmission unit (17).

5. Auxiliary transmission according to any of claims 1 to 4, characterized in that a hydraulic pump (14) is arranged outside a mounting (15, 16) of the auxiliary transmission (1).

6. Auxiliary transmission according to any of claims 1 to 5, characterized in that a reduction gear stage (3) is provided, which is connected in series after the clutch (2).

7. Auxiliary transmission according to claim 6, characterized in that the reduction gear stage (3) can be controlled by the electric motor (8).